

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

COMPLETE LISTING OF THE CLAIMS:

Claims 1-46 : (Canceled)

Claim 47 : (New) An arrangement for displaying an image for viewing by a human eye, comprising:

a) a housing having a movable screen which has a front surface and a rear surface, and an optically diffusive property;

b) an energizable laser supported by the housing for projecting a laser beam toward the rear surface of the screen when energized and upon moving the screen to a deployed position;

c) a scanner supported by the housing for sweeping the laser beam along a plurality of light paths over the rear surface of the screen for diffusion therethrough; and

d) a controller supported by the housing and operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions, and at a refresh rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels visible on the front surface of the screen.

Claim 48 : (New) The arrangement of claim 47, wherein the scanner includes a first scan mirror for sweeping the laser beam along a first direction along said at least one

of the light paths, and a second scan mirror for sweeping the laser beam along a second direction generally orthogonal to the first direction, and wherein the controller is operative for energizing and deenergizing the laser as the laser beam is swept along a plurality of each of the light paths.

Claim 49 : (New) The arrangement of claim 47, wherein the housing has a size and a shape configured to be held in a user's hand.

Claim 50 : (New) The arrangement of claim 48, wherein the first scan mirror is moved at a first rate of speed through a first angular distance, and wherein the second scan mirror is moved at a second rate of speed slower than said first speed, and through a second angular distance greater than said first angular distance.

Claim 51 : (New) The arrangement of claim 48, wherein the controller is operatively connected to a memory having stored fonts and timing data as to when to energize and deenergize the laser to display the image as font characters.

Claim 52 : (New) The arrangement of claim 47, and further comprising a transceiver for transmitting and receiving data by wireless transmission to a remote host.

Claim 53 : (New) The arrangement of claim 47; and further comprising a single scan mirror, and wherein the scanner is operative for moving the scan mirror along a plurality of directions.

Claim 54 : (New) The arrangement of claim 47, wherein the light pattern constitutes a generally rectangular display.

Claim 55 : (New) The arrangement of claim 47; and further comprising a plurality of additional energizable lasers of the same wavelength as the first-mentioned laser, for

increasing the number of the light pixels without having to increase the rate at which the scanner sweeps the respective laser beams.

Claim 56 : (New) The arrangement of claim 47, wherein the screen has an optical filter characteristic for blocking ambient light but transmitting the laser beam in order to enhance image contrast on the screen.

Claim 57 : (New) The arrangement of claim 47, wherein the laser, the scanner and the controller are mounted on a common support to constitute a module.

Claim 58 : (New) The arrangement of claim 57, wherein the screen is larger in area than the module.

Claim 59 : (New) An arrangement for displaying an image for viewing by a human eye, comprising:

- a) a housing having a screen which has a rear surface;
- b) an energizable laser supported by the housing for projecting a laser beam toward the rear surface of the screen when energized;
- c) a scanner supported by the housing for sweeping the laser beam along a plurality of light paths over the rear surface of the screen; and
- d) a controller supported by the housing and operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions, and at a refresh rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels on the screen, and for changing a size of the light pattern as a function of screen position to adapt image size to screen size.

Claim 60 : (New) The arrangement of claim 59, wherein the scanner includes a first scan mirror for sweeping the laser beam along a first direction along said at least one of the light paths, and a second scan mirror for sweeping the laser beam along a second direction generally orthogonal to the first direction, and wherein the controller is operative for energizing and deenergizing the laser as the laser beam is swept along a plurality of each of the light paths.

Claim 61 : (New) The arrangement of claim 59, wherein the housing has a size and a shape configured to be held in a user's hand.

Claim 62 : (New) The arrangement of claim 59, wherein the screen has an optically diffusive property and is movable to a deployed position in which the swept light beam is incident on the rear surface of the screen and is diffused through the screen to render the image visible on a front surface of the screen.

Claim 63 : (New) The arrangement of claim 60, wherein the first scan mirror is moved at a first rate of speed through a first angular distance, and wherein the second scan mirror is moved at a second rate of speed slower than said first speed, and through a second angular distance greater than said first angular distance.

Claim 64 : (New) The arrangement of claim 60, wherein the controller is operatively connected to a memory having stored fonts and timing data as to when to energize and deenergize the laser to display the image as font characters.

Claim 65 : (New) The arrangement of claim 60, and further comprising a transceiver for transmitting and receiving data by wireless transmission to a remote host.

Claim 66 : (New) The arrangement of claim 59; and further comprising a single scan mirror, and wherein the scanner is operative for moving the scan mirror along a plurality of directions.

Claim 67 : (New) The arrangement of claim 59, wherein the light pattern constitutes a generally rectangular display.

Claim 68 : (New) The arrangement of claim 59; and further comprising a plurality of additional energizable lasers of the same wavelength as the first-mentioned laser, for increasing the number of the light pixels without having to increase the rate at which the scanner sweeps the respective laser beams.

Claim 69 : (New) The arrangement of claim 59, wherein the screen has an optical filter characteristic for blocking ambient light but transmitting the laser beam in order to enhance image contrast on the screen.

Claim 70 : (New) The arrangement of claim 59, wherein the laser, the scanner and the controller are mounted on a common support to constitute a module.

Claim 71 : (New) The arrangement of claim 70, wherein the screen is larger in area than the module.

Claim 72 : (New) An arrangement for displaying an image for viewing by a human eye, comprising:

- a) a housing having a screen which has a rear surface;
- b) an energizable laser supported by the housing for projecting a laser beam toward the rear surface of the screen when energized;

c) a scanner supported by the housing for sweeping the laser beam along a plurality of light paths over the rear surface of the screen;

d) a controller supported by the housing and operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions, and at a refresh rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels on the screen; and

e) a sensing element for sensing ambient light to provide brightness adjustment on the screen.

Claim 73 : (New) The arrangement of claim 72, wherein the scanner includes a first scan mirror for sweeping the laser beam along a first direction along said at least one of the light paths, and a second scan mirror for sweeping the laser beam along a second direction generally orthogonal to the first direction, and wherein the controller is operative for energizing and deenergizing the laser as the laser beam is swept along a plurality of each of the light paths.

Claim 74 : (New) The arrangement of claim 72, wherein the housing has a size and a shape configured to be held in a user's hand.

Claim 75 : (New) The arrangement of claim 72, wherein the screen has an optically diffusive property and is movable to a deployed position in which the swept light beam is incident on the rear surface of the screen and is diffused through the screen to render the image visible on a front surface of the screen.

Claim 76 : (New) The arrangement of claim 73, wherein the first scan mirror is moved at a first rate of speed through a first angular distance, and wherein the second scan

mirror is moved at a second rate of speed slower than said first speed, and through a second angular distance greater than said first angular distance.

Claim 77 : (New) The arrangement of claim 73, wherein the controller is operatively connected to a memory having stored fonts and timing data as to when to energize and deenergize the laser to display the image as font characters.

Claim 78 : (New) The arrangement of claim 72, and further comprising a transceiver for transmitting and receiving data by wireless transmission to a remote host.

Claim 79 : (New) The arrangement of claim 72; and further comprising a single scan mirror, and wherein the scanner is operative for moving the scan mirror along a plurality of directions.

Claim 80 : (New) The arrangement of claim 72, wherein the light pattern constitutes a generally rectangular display.

Claim 81 : (New) The arrangement of claim 72; and further comprising a plurality of additional energizable lasers of the same wavelength as the first-mentioned laser, for increasing the number of the light pixels without having to increase the rate at which the scanner sweeps the respective laser beams.

Claim 82 : (New) The arrangement of claim 72, wherein the screen has an optical filter characteristic for blocking ambient light but transmitting the laser beam in order to enhance image contrast on the screen.

Claim 83 : (New) The arrangement of claim 72, wherein the controller is operative for changing a size of the light pattern as a function of screen position so as to adapt image size to screen size.

Claim 84 : (New) The arrangement of claim 72, wherein the controller is operative for energizing the laser at selected positions of the laser beam to generate individual light pixels depicting a cursor that is movable across the light pattern.

Claim 85 : (New) The arrangement of claim 72, wherein the laser, the scanner and the controller are mounted on a common support to constitute a module.

Claim 86 : (New) The arrangement of claim 85, wherein the screen is larger in area than the module.

Claim 87 : (New) An arrangement for displaying an image for viewing by a human eye, comprising:

- a) a housing having a screen which has a rear surface;
- b) an energizable laser supported by the housing for projecting a laser beam toward the rear surface of the screen when energized;
- c) a scanner supported by the housing for sweeping the laser beam along a plurality of light paths over the rear surface of the screen; and
- d) a controller supported by the housing and operatively connected to, and operative for energizing, the laser at selected positions of the laser beam in at least one of the light paths to generate individual light pixels at the selected positions, and at a refresh rate at which the pixels persist to enable the eye to steadily view the image comprised of a light pattern of the pixels on the screen, the controller being operative for energizing the laser at selected positions of the laser beam to generate individual light pixels depicting a cursor that is movable across the light pattern.

Claim 88 : (New) The arrangement of claim 87, wherein the scanner includes a first scan mirror for sweeping the laser beam along a first direction along said at least one of the light paths, and a second scan mirror for sweeping the laser beam along a second direction generally orthogonal to the first direction, and wherein the controller is operative for energizing and deenergizing the laser as the laser beam is swept along a plurality of each of the light paths.

Claim 89 : (New) The arrangement of claim 87, wherein the housing has a size and a shape configured to be held in a user's hand.

Claim 90 : (New) The arrangement of claim 87, wherein the screen has an optically diffusive property and is movable to a deployed position in which the swept light beam is incident on the rear surface of the screen and is diffused through the screen to render the image visible on a front surface of the screen.

Claim 91 : (New) The arrangement of claim 88, wherein the first scan mirror is moved at a first rate of speed through a first angular distance, and wherein the second scan mirror is moved at a second rate of speed slower than said first speed, and through a second angular distance greater than said first angular distance.

Claim 92 : (New) The arrangement of claim 88, wherein the controller is operatively connected to a memory having stored fonts and timing data as to when to energize and deenergize the laser to display the image as font characters.

Claim 93 : (New) The arrangement of claim 87, and further comprising a transceiver for transmitting and receiving data by wireless transmission to a remote host.

Claim 94 : (New) The arrangement of claim 87; and further comprising a single scan mirror, and wherein the scanner is operative for moving the scan mirror along a plurality of directions.

Claim 95 : (New) The arrangement of claim 87, wherein the light pattern constitutes a generally rectangular display.

Claim 96 : (New) The arrangement of claim 87; and further comprising a plurality of additional energizable lasers of the same wavelength as the first-mentioned laser, for increasing the number of the light pixels without having to increase the rate at which the scanner sweeps the respective laser beams.

Claim 97 : (New) The arrangement of claim 87, wherein the screen has an optical filter characteristic for blocking ambient light but transmitting the laser beam in order to enhance image contrast on the screen.

Claim 98 : (New) The arrangement of claim 87, wherein the controller is operative for changing a size of the light pattern as a function of screen position so as to adapt image size to screen size.

Claim 99 : (New) The arrangement of claim 87; and further comprising a sensing element for sensing ambient light to provide brightness adjustment on the screen.

Claim 100 : (New) The arrangement of claim 87, wherein the laser, the scanner and the controller are mounted on a common support to constitute a module.

Claim 101 : (New) The arrangement of claim 100, wherein the screen is larger in area than the module.